

Geologic Mapping Program Projects

30'x60' Quadrangle and Other 1:100,000-Scale Geologic Mapping Projects In Progress

The Utah Geological Survey has one of its goals to complete printed and digital geologic maps of the forty-six quadrangles (plus narrow strip of ten others along the Nevada border) that cover Utah. These projects are completed using cooperative funding from the UGS and the U.S. Geological Survey through the STATEMAP component of the National Cooperative Geologic Mapping Program; and in some areas, the National Park Service.

Contact Natural Resources Map and Bookstore to purchase maps listed as published or available. Contact the Geologic Mapping Program, Grant Willis, Program Manager, for information on in-progress projects.

Project	Author, Compiler, or Lead Geologist(s)	Status, Availability, Comments
Beaver	Rowley et al	B&W of south half as UGS OFR-435; digital in prep
Cedar City	Rowley et al	OFR and digital in prep
Delta	Hintze	Published as UGS Map 184; digital in prep
Dutch John	Sprinkel	B&W available as UGS OFR-399; digital planned for 2006
Escalante	Doelling and Willis	B&W available as UGS OFR-368; digital in prep
Glen Canyon NRA (Lake Powell)	Willis et al	Full coverage in progress. Parts available: San Juan River area – UGS OFR 443DM (digital and plot on demand); Escalante River and 50-Mile Mountain area (see Escalante and Smoky Mountain); some other parts in various older published maps; other parts in progress
Halls Crossing	Willis	see Glen Canyon NRA
Hite	Willis	see Glen Canyon NRA
Kanab	Doelling and Sable	B&W available as UGS OFR 366; earlier color version as UGS Bulletin 124 (Kane County); newer published version as USGS I-2655; digital in prep
La Sal	Doelling	Published as UGS Map 205; in prep
Loa	Doelling	East half in progress
Logan	Dover	Published as USGS I-2210; planned for 2006
Lynndyl	Pampeyan	Published as USGS I-1830; in prep
Manti	Witkind et al	Published as USGS I-1631; in prep
Ogden	Coogan et al	B&W available as UGS OFR 380
Provo	Constenius et al	B&W of east part available as UGS OFR 418
Richfield	Hintze et al	Published as UGS Map 195; digital in prep
Salina	Doelling	B&W of east half available as UGS OFR 438
San Rafael Des.	Doelling	B&W available as UGS OFR 404
Smoky Mtn	Doelling	B&W available as UGS OFR 359; digital in prep
St George	Biek et al	Planned for 2006
Tule Valley	Hintze et al	Published as UGS Map 186; digital in prep
Vernal	Sprinkel	B&W of east part available as UGS OFR 432

7.5' Quadrangle Geologic Maps Projects in Progress

The Utah Geological Survey and the Utah Geologic Mapping Advisory Committee (SMAC) have a goal to complete detailed 1:24,000 geologic maps of all 1,512 of the 7.5' quadrangles in Utah. Presently, about 440 are done and five to ten more are completed each year. Priorities are set by the UGS and SMAC.

UGS and USGS geologists, university professors and students, and volunteers contribute to the geologic mapping effort. Various state, federal, university, and private programs have contributed funding and support. Some maps are completed through donated work and support.

The following list includes projects that are actively being worked on. It does not include many projects that are inactive due to lack of funds or personnel or other reasons.

Type: UGS - Utah Geological Survey; USGS - U.S. Geological Survey; NPS - National Park Service Geologic Resources Division; Contract - UGS contract with outside geologists; STATEMAP – UGS with funding partly from National Cooperative Geologic Mapping Program administered through U.S. Geological Survey; EDMAP – university students with funding partly from National Cooperative Geologic Mapping Program.

Quadrangle	Project	Lead author(s)	Contact	Status	Availability
Clear Creek Mtn	UGS/NPS	Hylland	Grant Willis	In review	OFR 371
Cogswell Point	UGS/NPS	Biek and Hylland	Bob Biek	In review	OFR 388
Kolob Arch	UGS/NPS	Biek	Bob Biek	In review	OFR 386
Kolob Reservoir	UGS/NPS	Biek	Bob Biek	In review	OFR 387
Springdale East	UGS/NPS	Doelling/Willis	Grant Willis	In review	OFR 393
Springdale West	UGS/NPS	Willis/Doelling	Grant Willis	In review	OFR 394
Temple of Sinawava	UGS/NPS	Doelling	Grant Willis	In review	OFR 396
The Guardian Angels	UGS/NPS	Willis and Hylland	Grant Willis	In review	OFR 395
Champlin Peak	UGS	Hayden/Lawton/Clark	Donald Clark	In progress	
Cricket Mountains (bedrock 1:48,000)	UGS	Hintze	Jon King	In progress	USGS OFR 83-683
Jessen Butte	UGS	Sprinkel	Doug Sprinkel	In progress	
Klondike Bluffs	UGS	Doelling	Doug Sprinkel	In review	
Mollie Hogans	UGS	Doelling	Doug Sprinkel	In review	
Mt Waas	UGS	Ross	Doug Sprinkel	In progress	
Sagers Flat	UGS	Doelling	Don Clark	In review	
Skinner Peaks	UGS	Felger/Clark/Hylland	Donald Clark	In progress	
Sunset Flat	UGS	Doelling	Grant Willis	In progress	
The Windows Sect.	UGS	Doelling	Doug Sprinkel	In review	
Thompson Springs	UGS	Doelling	Don Clark	In review	
Valley City	UGS	Doelling	Doug Sprinkel	In review	OFR 351
Warner Lake	UGS	Ross	Doug Sprinkel	In progress	
White House	UGS	Doelling	Don Clark	In review	
Castle Cliff	STATEMAP	Hayden/Hintze	Bob Biek	In progress	USGS OFR 85-120
Charleston	STATEMAP	Biek	Bob Biek	In progress	
Copperton	STATEMAP	Biek et al	Bob Biek	In review	OFR 434
Dairy Ridge	STATEMAP	Coogan	Jon King	In progress	
Durst Mountain	STATEMAP	Coogan/King/McDonald	Jon King	In progress	
Goshen Valley Nor.	STATEMAP	Clark	Don Clark	In progress	

Horse Ridge	STATEMAP	Coogan	Jon King	In progress	
Jordan Narrows	STATEMAP	Biek	Bob Biek	In press	OFR 415
Kanab	STATEMAP	Hayden	Bob Biek	In progress	
Kaysville surficial	STATEMAP	Solomon	G. Christenson	In progress	
Lehi	STATEMAP	Biek	Bob Biek	In press	OFR 416
Magna	STATEMAP	Biek et al	Bob Biek	In review	OFR434
Morgan	STATEMAP	King/Coogan/McDonald	Jon King	In progress	
Peterson	STATEMAP	King/McDonald	Jon King	In progress	
Plain City	STATEMAP	Harty/Lowe	Kimm Harty	In progress	
Richfield	STATEMAP	Willis	Grant Willis	In review	OFR 309
Santa Clara	STATEMAP	Willis and Hayden	Grant Willis	In review	OFR 339
Snow Basin	STATEMAP	King/Coogan/Yonkee	Jon King	In progress	
Soldiers Pass	STATEMAP	Clark	Don Clark	In progress	
Spanish Fork surficial	STATEMAP	Solomon	Donald Clark	In progress	
St. George	STATEMAP	Hayden and Willis	Grant Willis	In review	OFR 323
Terry Benches	STATEMAP	Hayden	Bob Biek	In progress	
Tickville Spring	STATEMAP	Biek et al	Bob Biek	In review	OFR 434
Veyo	STATEMAP	Hayden	Bob Biek	In review	OFR 401
Virgin	STATEMAP	Hayden	Bob Biek	In review	OFR 442
Washington	STATEMAP	Willis and Hayden	Grant Willis	In review	OFR 324
West Mountain	STATEMAP	Clark	Don Clark	In progress	
West Mountain Peak	STATEMAP	Hayden/Hintze	Bob Biek	In progress	USGS OFR 85-119
White Hills	STATEMAP	Hayden	Bob Biek	In review	OFR 352
Adamsville	outside	McDonald/Rowley	Jon King	In progress	
Brian Head	outside	Rowley	Bob Biek	In progress	
Cave Canyon	outside	McDonald/Rowley	Jon King	In progress	
Central East	outside	Hacker	Bob Biek	In review	
Central West	outside	Blank	Grant Willis	In progress	
Dry Fork	outside	Kowallis	Doug Sprinkel	In progress	
Enterprise	outside	Blank	Grant Willis	In progress	USGS OFR 93-203
Grass Valley	outside	Hacker	Bob Biek	In review	
Grouse Creek and Matlin Mtns	Outside	Todd	Don Clark	In progress	
Hebron	outside	Blank	Grant Willis	In progress	
Lake Fork Mtn surficial	outside	Munroe	Grant Willis	In progress	
Maple Ridge	outside	Blank	Grant Willis	In progress	
Mexican Hat	outside	Murphy	Grant Willis	In progress	
Page Ranch	outside	Hacker	Bob Biek	In review	
Pinto	outside	Hacker	Bob Biek	In progress	
Saddle Mountain	outside	Hacker	Bob Biek	In review	
Signal Peak	outside	Hacker	Bob Biek	In review	
Blind Lakes	EDMAP	Marcetti	Cerling-UofU	In progress	
Deseret Peak East	EDMAP	Copfer/Evans	Don Clark	In progress	
Donkey Flats	EDMAP	Kowallis	Kowallis-BYU	In progress	
Fruita	EDMAP	McLelland/Doelling	Morris-BYU	In progress	
Gilson Mtns (structural)	EDMAP	Kwon/Mitra	Don Clark	In progress	
Golden Throne	EDMAP	Martin/Doelling	Morris-BYU	In progress	
Government Point	EDMAP	Marcetti	Cerling-UofU	In progress	
Grouse Creek and Bovine Mtns (5	EDMAP	Egger/Martinez	Don Clark	In progress	

quads)					
Jericho	EDMAP	Kwon/Mitra	Don Clark	In progress	
Lake Mountain	EDMAP	Kowallis	Kowallis-BYU	In progress	
Matlin Mtns (surficial only?)	EDMAP	Sack	Grant Willis	In progress	
Steineker Reservoir	EDMAP	Kowallis	Grant Willis	In progress	
Swallow Canyon	EDMAP	Dehler	Grant Willis	In progress	
Warren Draw	EDMAP	Dehler	Grant Willis	In progress	
Clearfield	Contract	Sack	Doug Sprinkel	In press	OFR 408
Fremont Island and Little Mountain	Contract	Yonkee	Grant Willis	In progress	
Kelton Pass	Contract	Wells	Jon King	In press	OFR 342
Payson Lakes	Contract	Harris	Bob Biek	In progress	
Roy	Contract	Sack	Doug Sprinkel	In press	OFR 409
Santaquin	Contract	Harris	Bob Biek	In progress	
Tintic Mountain	Contract	Keith	Don Clark	In progress	

Other Mapping Program Projects

Project	Type	Lead Geologist(s)	Contact	Status
Study of Middle Jurassic Rocks of Utah	UGS	Doelling and Sprinkel	Doug Sprinkel	In progress